

ROBERT E. BUSHNELL*†

JOSEPH G. SEEBER°
JOHN C. PROSKY°+*
DARREN R. CREW+*
MATTHEW J. LESTINA‡
SARYADVINDER S. SAHOTA‡*
RICHARD H. STERN°

MICHAEL D. PARKER
DANIEL A. GESELOWITZ, Ph.D.
(REG. PATENT AGENTS)

† ADMITTED IN MARYLAND
° ADMITTED IN VIRGINIA
+ ADMITTED IN PENNSYLVANIA
‡ ADMITTED IN NEW YORK
° ADMITTED IN CONNECTICUT
* NOT ADMITTED IN D.C.

Assistant Commissioner for Patents
Washington, D.C. 20231

R. E. BUSHNELL

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300
WASHINGTON, D.C. 20005-1202
UNITED STATES OF AMERICA

15 January 2002

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040
FACSIMILE (202) 289-7100
FACSIMILE (202) 628-3835
FACSIMILE (410) 747-0022

E-MAIL: REBUSHNELL@AOL.COM

- ☐ U.S. Postal Service
☐ Via Local Courier
☐ Via International Courier
☐ Via Facsimile No. _____
☐ Via E-Mail Attachment
☐ Please Acknowledge Receipt

Attorney Docket: P56315

Sir:

Submitted herewith is the following patent application:

Inventor: 1) GRIFFITH S. EVANS

Title: PISTON-ACTIVATED VALVE AND METHODS AND APPARATUS
FOR RESTRAINING FREE PLAY IN A DEVICE

Please find attached hereto an application for patent which includes: Specification and Abstract,
Claims, and original Declaration And Power of Attorney:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 11 sheets, Figures 1 through 8 I

Claim of priority under 35 U.S.C. §119(e): YES

** U.S. Provisional Application Serial No.: 60/261,199, filed on January 16, 2001

FEE (see formula below): CHECK IS NOT ENCLOSED (#40920)

Basic Fee \$370/740	\$740.00
Additional Fees:	
Total number of claims in excess of 20: <u>19</u> times \$9/18 .	\$342.00
Number of independent claims in excess of 3: <u>8</u> times \$42/84	\$672.00
Multiple Dependent Claims \$135/270	\$0.00
An Assignment is likewise enclosed: Recording Fee \$40 .	\$0.00
Filing Non-English specification	\$0.00
Information Disclosure Statement (with 10 refs.)	\$0.00
TOTAL FEES FOR THE ABOVE APPLICATION	\$1,754.00

Assistant Commissioner for Patents
15 January 2002
Page Two

Docket No.: P56315

Inventor: 1) GRIFFITH S. EVANS

Title: **PISTON-ACTIVATED VALVE AND METHODS AND APPARATUS
FOR RESTRAINING FREE PLAY IN A DEVICE**


Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1245

Telephone: (202) 408-9040
Telefacsimile: (202) 289-7100

REB/mn

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

GRIFFITH S. EVANS

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 15 January 2002

Art Unit: *to be assigned*

For: ***PISTON-ACTIVATED VALVE AND METHODS AND APPARATUS FOR
RESTRAINING FREE PLAY IN A DEVICE***

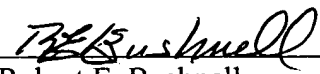
TRANSMITTAL OF DECLARATION

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

This transmittal accompanies the original Declaration for the above-referenced application.

Respectfully submitted,


Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.
Washington, D.C. 20005
(202) 408-9040

Folio: P56315
Date: 15 January 2002
I.D.: REB/mn

20570-10494-0150

01/15/02



PTO 1051

PTO/SB/17 (08-00)

 Approved for use through 9/30/2000. OMB 0651-0032
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

Patent fees are subject to annual revision.

Complete If Known		Application Number		<i>To be Assigned</i>																																																																																																																																																																																					
		Filing Date		15 January 2002																																																																																																																																																																																					
		First Named Inventor		Griffith S. Evans																																																																																																																																																																																					
		Examiner Name		<i>To be Assigned</i>																																																																																																																																																																																					
		Group/Art Unit		<i>To be Assigned</i>																																																																																																																																																																																					
TOTAL AMOUNT OF PAYMENT		(\$) 1,754.00		Attorney Docket No.		P56315																																																																																																																																																																																			
METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																																																					
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:				3. ADDITIONAL FEES																																																																																																																																																																																					
Deposit Account Number: 02-4943 Deposit Account Number: _____				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge-late filing fee or oath</td> <td>\$</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td>\$</td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td>\$</td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td>\$</td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td>\$</td> </tr> <tr> <td>113</td> <td>1,840*</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td>\$</td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td>\$</td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200</td> <td>Extension for reply within second month</td> <td>\$</td> </tr> <tr> <td>117</td> <td>920</td> <td>217</td> <td>460</td> <td>Extension for reply within third month</td> <td>\$</td> </tr> <tr> <td>118</td> <td>1,440</td> <td>218</td> <td>720</td> <td>Extension for reply within fourth month</td> <td>\$</td> </tr> <tr> <td>128</td> <td>1,960</td> <td>228</td> <td>980</td> <td>Extension for reply within fifth month</td> <td>\$</td> </tr> <tr> <td>119</td> <td>320</td> <td>219</td> <td>160</td> <td>Notice of Appeal</td> <td>\$</td> </tr> <tr> <td>120</td> <td>320</td> <td>220</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td>\$</td> </tr> <tr> <td>121</td> <td>280</td> <td>221</td> <td>140</td> <td>Request for oral hearing</td> <td>\$</td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td>\$</td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td>\$</td> </tr> <tr> <td>141</td> <td>1,280</td> <td>241</td> <td>640</td> <td>Petition to revive - unintentional</td> <td>\$</td> </tr> <tr> <td>142</td> <td>1,280</td> <td>242</td> <td>640</td> <td>Utility issue fee (or reissue)</td> <td>\$</td> </tr> <tr> <td>143</td> <td>460</td> <td>243</td> <td>230</td> <td>Design issue fee</td> <td>\$</td> </tr> <tr> <td>144</td> <td>620</td> <td>244</td> <td>310</td> <td>Plant issue fee</td> <td>\$</td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td>\$</td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td>\$</td> </tr> <tr> <td>126</td> <td>180</td> <td>126</td> <td>180</td> <td>Submission of Information Disclosure Statement</td> <td>\$</td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (Times number of properties)</td> <td>\$</td> </tr> <tr> <td>146</td> <td>740</td> <td>246</td> <td>370</td> <td>Filing a submission after final rejection (37 C.F.R. §1.129(a))</td> <td>\$</td> </tr> <tr> <td>149</td> <td>740</td> <td>249</td> <td>370</td> <td>For each additional invention to be examined (37 C.F.R. §1.129(b))</td> <td>\$</td> </tr> <tr> <td colspan="4"></td> <td>Other Fee (specify) _____</td> <td>\$</td> </tr> <tr> <td colspan="4"></td> <td>Other Fee (specify) _____</td> <td>\$</td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge-late filing fee or oath	\$	127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$	139	130	139	130	Non-English specification	\$	147	2,520	147	2,520	For filing a request for reexamination	\$	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$	115	110	215	55	Extension for reply within first month	\$	116	400	216	200	Extension for reply within second month	\$	117	920	217	460	Extension for reply within third month	\$	118	1,440	218	720	Extension for reply within fourth month	\$	128	1,960	228	980	Extension for reply within fifth month	\$	119	320	219	160	Notice of Appeal	\$	120	320	220	160	Filing a brief in support of an appeal	\$	121	280	221	140	Request for oral hearing	\$	138	1,510	138	1,510	Petition to institute a public use proceeding	\$	140	110	240	55	Petition to revive - unavoidable	\$	141	1,280	241	640	Petition to revive - unintentional	\$	142	1,280	242	640	Utility issue fee (or reissue)	\$	143	460	243	230	Design issue fee	\$	144	620	244	310	Plant issue fee	\$	122	130	122	130	Petitions to the Commissioner	\$	123	50	123	50	Petitions related to provisional applications	\$	126	180	126	180	Submission of Information Disclosure Statement	\$	581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$	146	740	246	370	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$	149	740	249	370	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$					Other Fee (specify) _____	\$					Other Fee (specify) _____	\$
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
105	130	205	65	Surcharge-late filing fee or oath	\$																																																																																																																																																																																				
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$																																																																																																																																																																																				
139	130	139	130	Non-English specification	\$																																																																																																																																																																																				
147	2,520	147	2,520	For filing a request for reexamination	\$																																																																																																																																																																																				
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$																																																																																																																																																																																				
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$																																																																																																																																																																																				
115	110	215	55	Extension for reply within first month	\$																																																																																																																																																																																				
116	400	216	200	Extension for reply within second month	\$																																																																																																																																																																																				
117	920	217	460	Extension for reply within third month	\$																																																																																																																																																																																				
118	1,440	218	720	Extension for reply within fourth month	\$																																																																																																																																																																																				
128	1,960	228	980	Extension for reply within fifth month	\$																																																																																																																																																																																				
119	320	219	160	Notice of Appeal	\$																																																																																																																																																																																				
120	320	220	160	Filing a brief in support of an appeal	\$																																																																																																																																																																																				
121	280	221	140	Request for oral hearing	\$																																																																																																																																																																																				
138	1,510	138	1,510	Petition to institute a public use proceeding	\$																																																																																																																																																																																				
140	110	240	55	Petition to revive - unavoidable	\$																																																																																																																																																																																				
141	1,280	241	640	Petition to revive - unintentional	\$																																																																																																																																																																																				
142	1,280	242	640	Utility issue fee (or reissue)	\$																																																																																																																																																																																				
143	460	243	230	Design issue fee	\$																																																																																																																																																																																				
144	620	244	310	Plant issue fee	\$																																																																																																																																																																																				
122	130	122	130	Petitions to the Commissioner	\$																																																																																																																																																																																				
123	50	123	50	Petitions related to provisional applications	\$																																																																																																																																																																																				
126	180	126	180	Submission of Information Disclosure Statement	\$																																																																																																																																																																																				
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$																																																																																																																																																																																				
146	740	246	370	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$																																																																																																																																																																																				
149	740	249	370	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$																																																																																																																																																																																				
				Other Fee (specify) _____	\$																																																																																																																																																																																				
				Other Fee (specify) _____	\$																																																																																																																																																																																				
2. <input checked="" type="checkbox"/> Payment Enclosed: (CHECK #40920) <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																									
FEE CALCULATION																																																																																																																																																																																									
1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>104</td> <td>740</td> <td>201</td> <td>370</td> <td>Utility filing fee</td> <td>\$740.00</td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td>Design filing fee</td> <td>\$</td> </tr> <tr> <td>107</td> <td>510</td> <td>207</td> <td>255</td> <td>Plant filing fee</td> <td>\$</td> </tr> <tr> <td>108</td> <td>740</td> <td>208</td> <td>370</td> <td>Reissue filing fee</td> <td>\$</td> </tr> <tr> <td>114</td> <td>160</td> <td>214</td> <td>80</td> <td>Provisional filing fee</td> <td>\$</td> </tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td>(\$)</td> <td>740.00</td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	104	740	201	370	Utility filing fee	\$740.00	106	330	206	165	Design filing fee	\$	107	510	207	255	Plant filing fee	\$	108	740	208	370	Reissue filing fee	\$	114	160	214	80	Provisional filing fee	\$	SUBTOTAL (1)				(\$)	740.00																																																																																																																																								
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
104	740	201	370	Utility filing fee	\$740.00																																																																																																																																																																																				
106	330	206	165	Design filing fee	\$																																																																																																																																																																																				
107	510	207	255	Plant filing fee	\$																																																																																																																																																																																				
108	740	208	370	Reissue filing fee	\$																																																																																																																																																																																				
114	160	214	80	Provisional filing fee	\$																																																																																																																																																																																				
SUBTOTAL (1)				(\$)	740.00																																																																																																																																																																																				
2. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total claims 39 -20** = 19 x 18 =</td> <td>39</td> <td>20** = 19 x 18</td> <td>= 342</td> </tr> <tr> <td>Independent Claims 11 - 3** = 8 x 84 =</td> <td>11</td> <td>3** = 8 x 84</td> <td>= 672</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>=</td> </tr> </tbody> </table> <p>** or number previously paid, if greater; For Reissues, see below</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102</td> <td>84</td> <td>202</td> <td>42</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104</td> <td>280</td> <td>204</td> <td>140</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>109</td> <td>84</td> <td>209</td> <td>42</td> <td>** Reissue independent claims over original patent</td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td>(\$) 1,014.00</td> </tr> </tbody> </table>					Extra Claims	Fee from below	Fee Paid	Total claims 39 -20** = 19 x 18 =	39	20** = 19 x 18	= 342	Independent Claims 11 - 3** = 8 x 84 =	11	3** = 8 x 84	= 672	Multiple Dependent			=	Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20	102	84	202	42	Independent claims in excess of 3	104	280	204	140	Multiple dependent claim, if not paid	109	84	209	42	** Reissue independent claims over original patent	110	18	210	9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)				(\$) 1,014.00																																																																																																																															
	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																						
Total claims 39 -20** = 19 x 18 =	39	20** = 19 x 18	= 342																																																																																																																																																																																						
Independent Claims 11 - 3** = 8 x 84 =	11	3** = 8 x 84	= 672																																																																																																																																																																																						
Multiple Dependent			=																																																																																																																																																																																						
Large Entity		Small Entity		Fee Description																																																																																																																																																																																					
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
103	18	203	9	Claims in excess of 20																																																																																																																																																																																					
102	84	202	42	Independent claims in excess of 3																																																																																																																																																																																					
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																																																					
109	84	209	42	** Reissue independent claims over original patent																																																																																																																																																																																					
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																					
SUBTOTAL (2)				(\$) 1,014.00																																																																																																																																																																																					
				SUBTOTAL (3) \$0.00																																																																																																																																																																																					
SUBMITTED BY				C mplet (if applicable)																																																																																																																																																																																					
Typed or Printed Name		Robert E. Bushnell, Esq.		Reg. Number		27,774																																																																																																																																																																																			
Signature				Date		15 January 2002																																																																																																																																																																																			
				Deposit Account User ID																																																																																																																																																																																					

REB/mn

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.